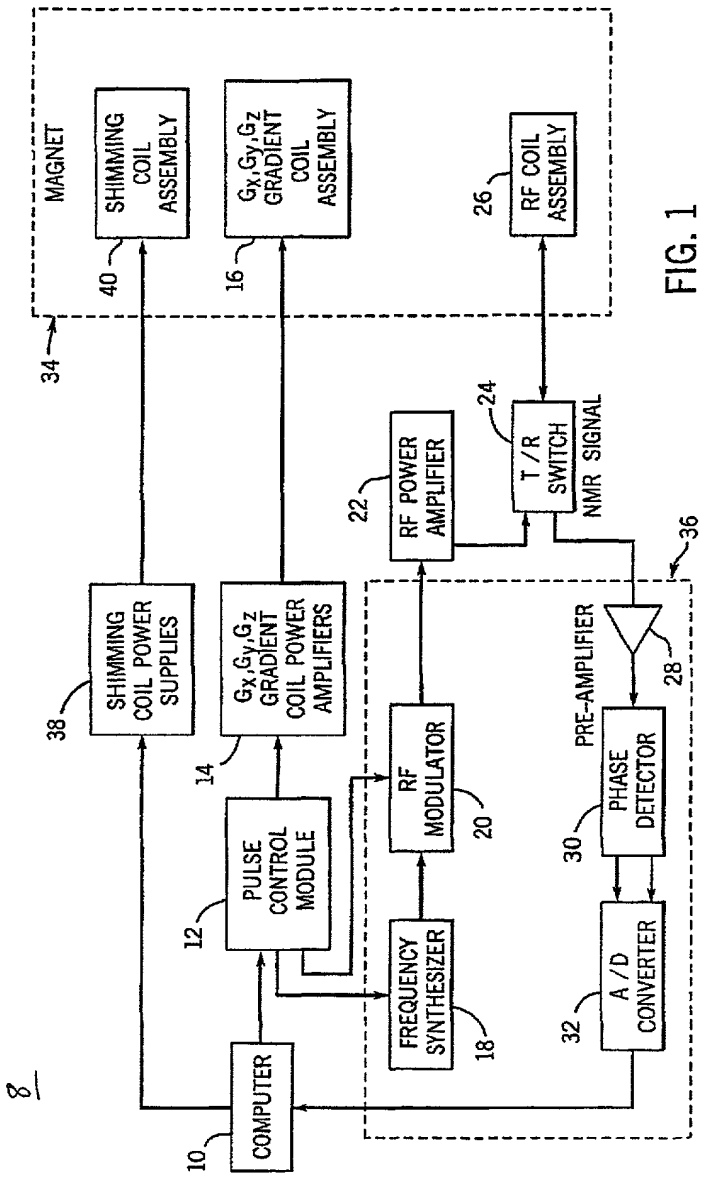

MAGNET
SHIMMING COIL ASSEMBLY
40
G_X, G_Y, G_Z GRADIENT COIL ASSEMBLY
16
26
RF COIL ASSEMBLY
34
24
T/R SWITCH
NMR SIGNAL
22
RF POWER AMPLIFIER
36
SHIMMING COIL POWER SUPPLIES
38
G_X, G_Y, G_Z GRADIENT COIL POWER AMPLIFIERS
14
PRE-AMPLIFIER
28
RF MODULATOR
20
PHASE DETECTOR
30
PULSE CONTROL MODULE
12
FREQUENCY SYNTHESIZER
18
A/D CONVERTER
32
COMPUTER
10

FIG. 1

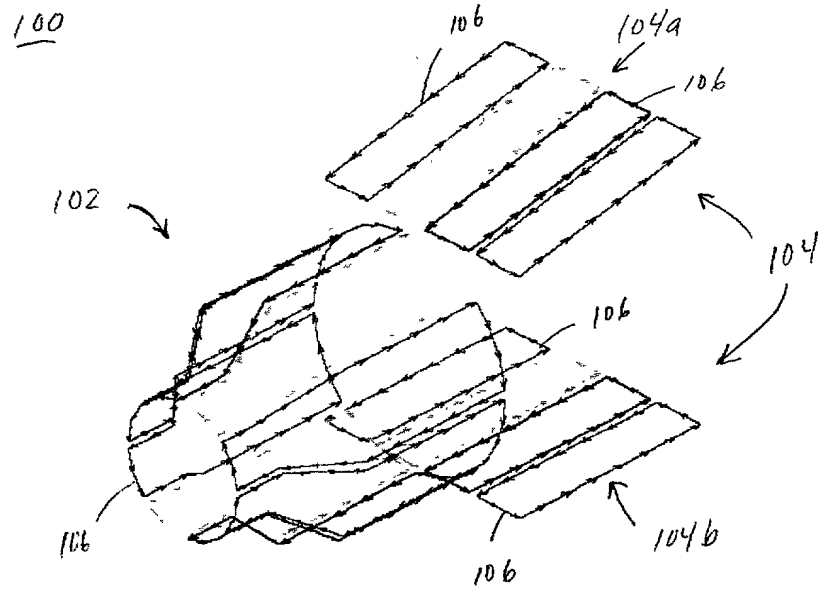


Fig. 2

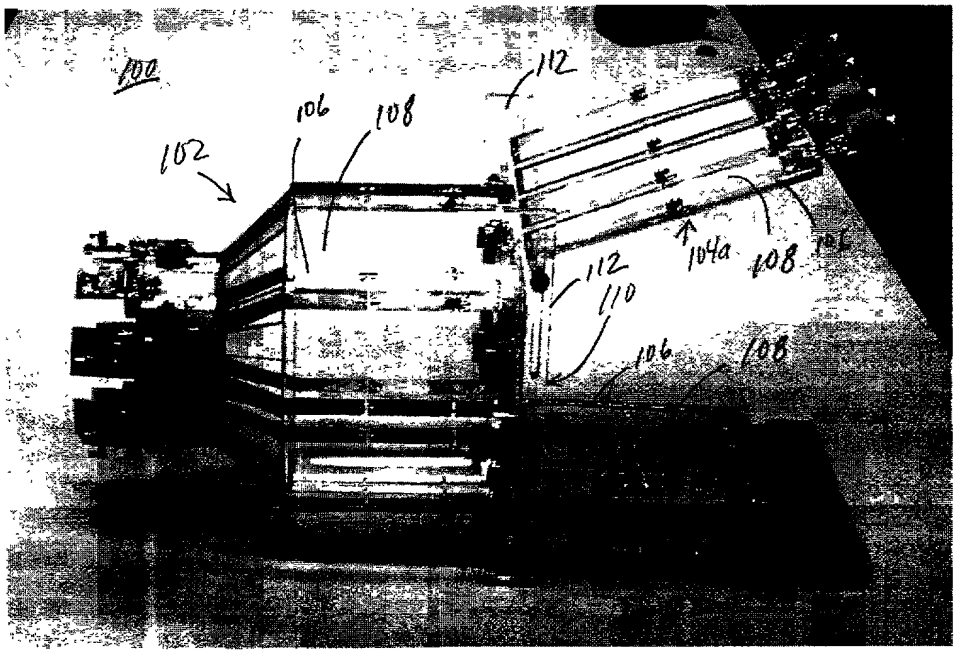
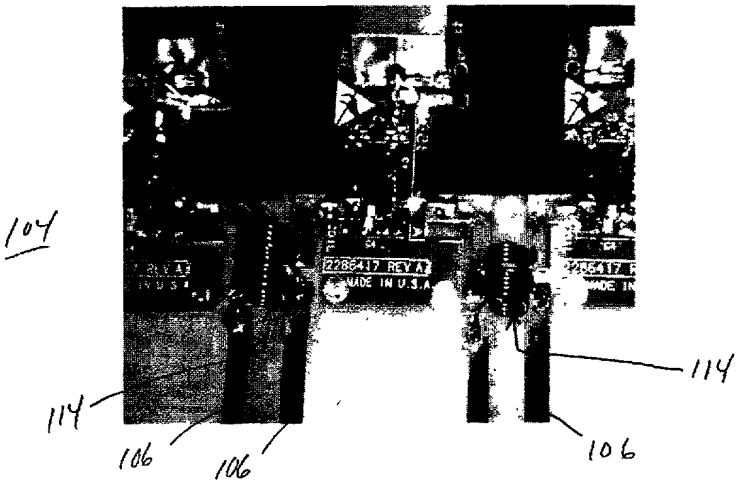

100
112
106
108
102
104a
108
112
110
106
108

Fig 3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114
114
106
106
106

Fig 4

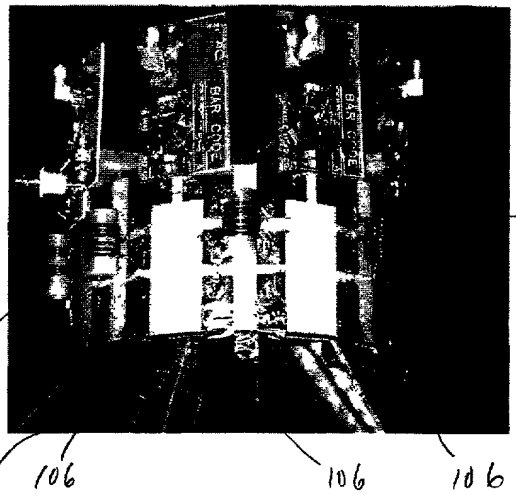

Fig. 5

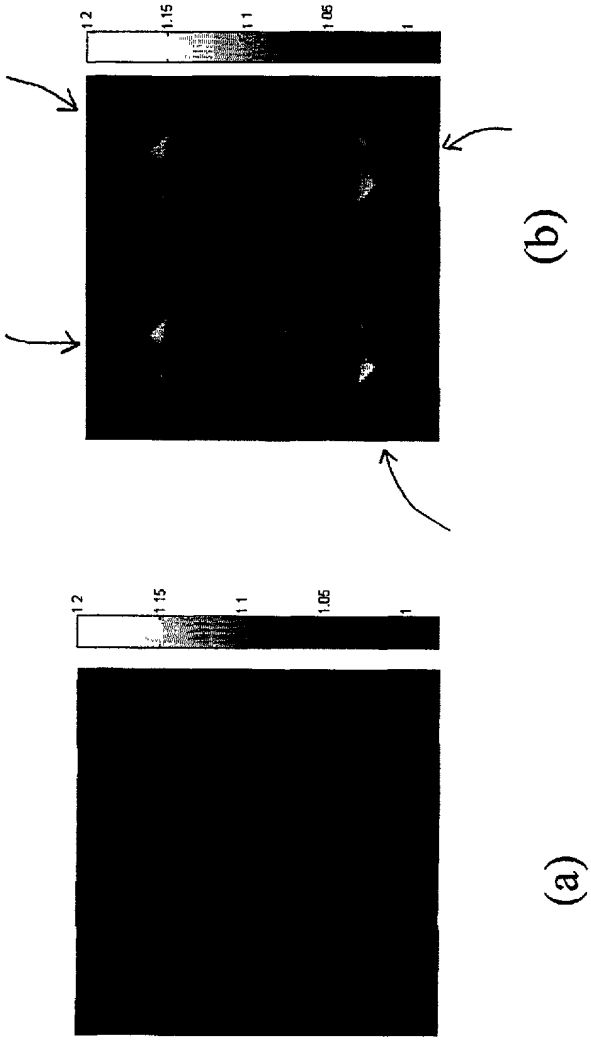

Fig. 6

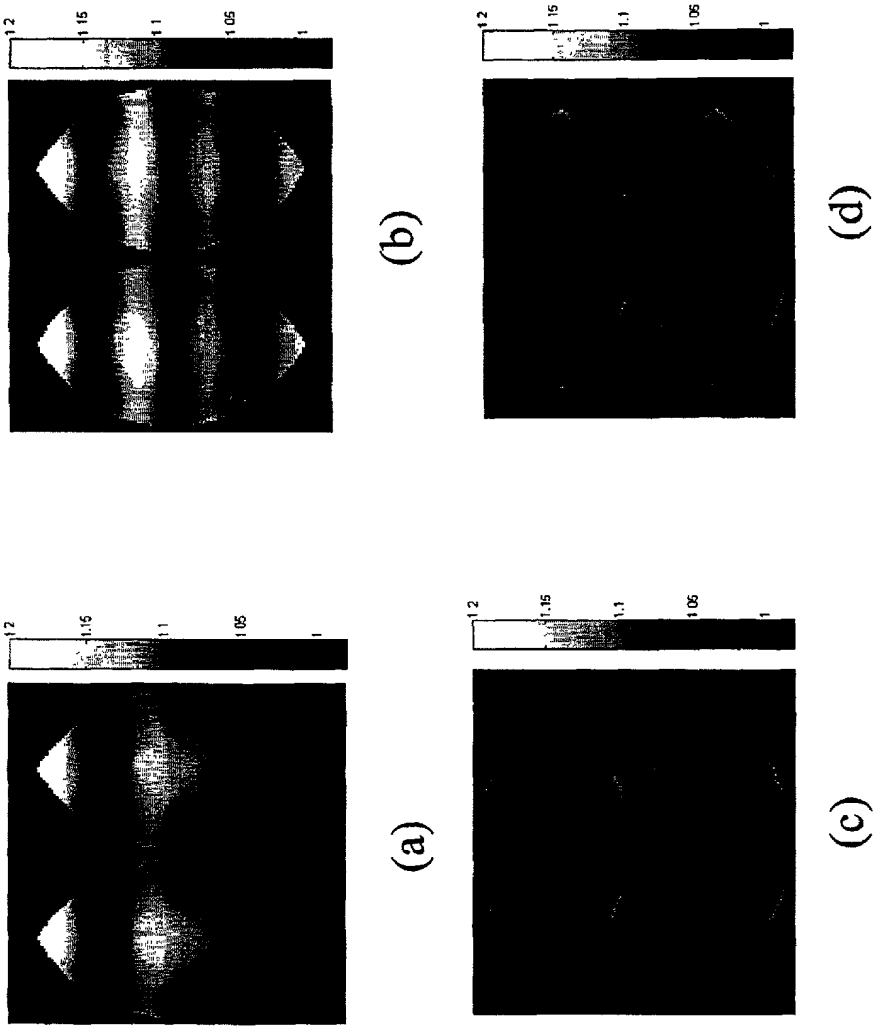

Fig. 7

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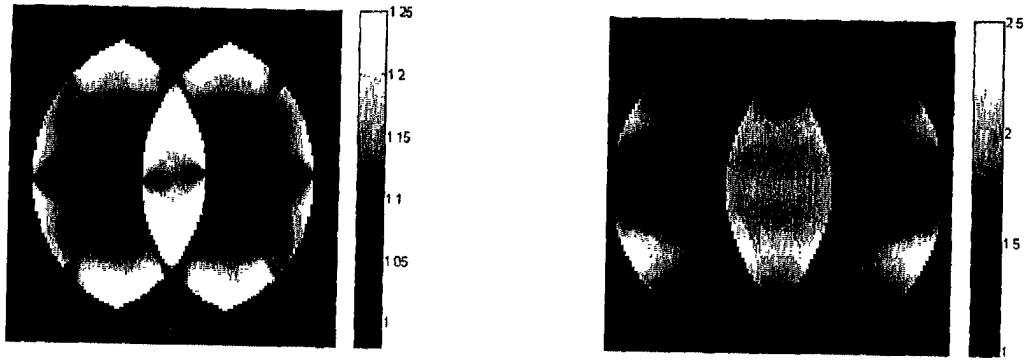

(a) (b)

Fig. 8